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Title: JP8241709A2: MANUFACTURE OF NEGATIVE ELECTRODE OF NONAQUEOUS ELECTROLYTE BATTERY

Derwent Title: Mfr. of non-aq. electrolyte battery - comprises inserting rectangular pieces of lithium (alloy) into negative electrode vessel, and pressing with mould
[\[Derwent Record\]](#)

Country: JP Japan

Kind: A

Inventor: NISHIMURA WASUKE;
 TAKAHASHI RYUJI;
 OO FUMIO;

Assignee: MATSUSHITA ELECTRIC IND CO LTD
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Published / Filed: 1996-09-17 / 1995-03-07

Application Number: JP1995000046966

IPC Code: [H01M 4/12](#); [H01M 4/04](#); [H01M 6/02](#); [H01M 6/16](#); [H01M 10/40](#);

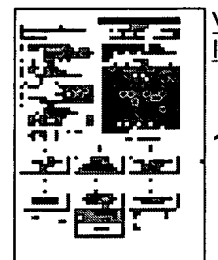
Priority Number: 1995-03-07 JP1995000046966

Abstract: PURPOSE: To manufacture the negative electrode without adhering lithium to the pressurizing surface of a pressurizing die at the time of manufacturing the negative electrode of a nonaqueous electrolyte battery by pressing a rectangular piece of lithium metal with a die having the specified pressurizing surface.

CONSTITUTION: A rectangular piece of lithium metal or lithium alloy is inserted into a negative electrode can or a lower die having the circular inner bottom surface. This rectangular piece is pressed by a die having the pressurizing surface, in which at least a part is formed into the rough surface, and having the material film having the excellent sliding property in relation to the lithium metal or lithium alloy in the rough surface of the pressurizing surface, and the rectangular piece is pressurized for deformation. In the case where the abutment area of the die is assumed at 100, the area of the rough surface at 65 or more is necessary. Shape of the die is formed into the concentric circular shape, spiral shape, radial shape, or random pattern having a groove at 0.02-0.30mm of depth. As the material film having the excellent sliding property, for example, the film made of liquid paraffin, fluoride group surface active agent, or Lewis base type organic solvent is used.

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Family: None



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References:

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PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6586912	2003-07-01	Tsukamoto; Hisashi	Quallion LLC	Method and apparatus for amplitude limiting battery temperature spikes
	US6001138	1999-12-14	Dix; Eric R.	Micron Communications, Inc.	Methods of forming battery electrodes

Other Abstract
Info:

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PATENT ABSTRACTS OF JAPAN(21) Application number: **07046966**(51) Intl. Cl.: **H01M 4/12** H01M 4/04 H01M 6/02
6/16 H01M 10/40(22) Application date: **07.03.95**

(30) Priority:	(71) Applicant: MATSUSHITA ELECTRIC IN. LTD
(43) Date of application publication: 17.09.96	(72) Inventor: NISHIMURA WASUKE TAKAHASHI RYUJI OO FUMIO
(84) Designated contracting states:	(74) Representative:

**(54) MANUFACTURE OF
NEGATIVE ELECTRODE OF
NONAQUEOUS
ELECTROLYTE BATTERY**

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